

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named co-inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: MANUFACTURING INORGANIC POLYMER HYBRIDS the specification of which:

(check one) ☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(e) of the provisional application for patent listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claim:

Prior Application(s)

Priority Claimed

☐ YES    ☐ NO

(Number)

Filed

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application (s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)

**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorneys jointly and each of them severally, with full power of substitution, delegation, and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Robert A. Koons, Jr. Reg. No. 32,474  
Daniel M. Maloney Reg. No. 43,771  
Matthew P. McWilliams Reg. No. 46,922  
James M. Singer Reg. No. 45,111  
John Will Ongman Reg. No. 48,535

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to:

Robert A. Koons, Jr.  
PEPPER HAMILTON LLP  
3000 Two Logan Square  
Eighteenth and Arch Streets  
Philadelphia, PA 19103-2799  
Telephone: (215) 981-4406  
Facsimile: (215) 981-4271

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURES

Full name of **first inventor**: Thomas S. Brima

Inventor's signature: separate declaration signed by executrix

Date \_\_\_\_\_ Country of Citizenship United States of America

Residence: Pittsburgh, Pennsylvania

Post Office Address: 367 Barclay Avenue, Pittsburgh, Pennsylvania 15221

Full name of **second inventor**: Masaki Fujii

Inventor's signature: [Signature]

Date 12/31/01 Country of Citizenship Japan

Residence: Sewickley, Pennsylvania

Post Office Address: 115 Alaqua Drive, Sewickley, Pennsylvania 15143

Full name of **third inventor**: Seyhun Kim

Inventor's signature: [Signature]

Date 12/31/01 Country of Citizenship Korea

Residence: Murrys ville, Pennsylvania

Post Office Address: 4119 Windsor Court, Murrys ville, Pennsylvania 15668

Full name of **fourth inventor**: George R. Gallaher, Jr.

Inventor's signature: *George R. Gallaher, Jr.*

Date 12/31/01 Country of Citizenship United States of America  
Residence: Oakmont, Pennsylvania

Post Office Address: 824 Seventh Street, Oakmont, Pennsylvania 15139

Full name of **fifth inventor**: Edwin B. Townsend IV

Inventor's signature: *E.B. Townsend*

Date 12/31/01 Country of Citizenship United States of America  
Residence: New Kensington, Pennsylvania

Post Office Address: 167 Shearer Road, New Kensington, Pennsylvania 15068

Full name of **sixth inventor**: Kimberly M. McLoughlin

Inventor's signature: *Kimberly M. McLoughlin*

Date 12/31/01 Country of Citizenship United States of America  
Residence: Gibsonsia, Pennsylvania

Post Office Address: 1529 Mountain View Drive, Gibsonsia, Pennsylvania 15044

## DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that along with Masaki Fujii, George R. Gallaher, Jr., Sehyun Kim, Edwin B. Townsend IV and Kimberly M. McLoughlin, I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: MANUFACTURING INORGANIC POLYMER HYBRIDS the specification of which:

(check one) ☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application (s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claim:

Prior Foreign Application(s)

Priority Claimed

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
(Number) (Country) D/M/YR Filed

☐ YES ☐ NO

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
(Number) (Country) D/M/YR Filed

☐ YES ☐ NO

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
(Number) (Country) D/M/YR Filed

☐ YES ☐ NO

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application (s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing Date) (Status)  
(patented, pending, abandoned)

(Application Serial No.) (Filing Date) (Status)

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to:

Robert A. Koons, Jr.  
PEPPER HAMILTON LLP  
3000 Two Logan Square  
Eighteenth and Arch Streets  
Philadelphia, PA 19103-2799  
Telephone: (215) 981-4406  
Facsimile: (215) 981-4271

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURES

Full name of inventor: Thomas S. Brima

Inventor's signature: Frederick Hawk, Administrator

Date 11/19/01 Country of Citizenship United States of America

Residence: 367 Barclay Avenue, Pittsburgh, Pennsylvania

Post Office Address: 367 Barclay Avenue, Pittsburgh, Pennsylvania 15221

## Register of Wills of Allegheny County, Pennsylvania

Commonwealth of Pennsylvania,  
ALLEGHENY COUNTY

}

SS:

No. 165852

No. 020002396

of 2000

I, DAVID N. WECHT, ESQUIRE, Register of Wills in and for the County of Allegheny in the  
Commonwealth of Pennsylvania, DO HEREBY CERTIFY that on the 31ST

day of MARCH, 2000 LETTERS LETTERS OF ADMINISTRATION

on the Estate of THOMAS STEPHEN BRIMA

THOMAS S. BRIMA

deceased, were granted to GWENDOLYN HAWK

having first been qualified well and truly to administer the same. And, I further certify that  
no revocation of said Letters appears of record in my office.

Date of Death FEBRUARY 22, 2000

Social Security No. 275-56-2351

Given under my hand and seal of office, at Pittsburgh

this 2ND day of MAY 2001

DAVID N. WECHT, ESQUIRE

REGISTER OF WILLS

NOT VALID WITHOUT ORIGINAL SIGNATURE AND IMPRESSED SEAL